

# ARCHITECTURAL DETAIL PLATES

## PLATE 68

St. s. Peter and Paul Church  
Charvonnay, France

Direct-Indirect Lighting with  
X-Ray Reflectors



## Curtis Lighting, Inc.

New York

CHICAGO

Los Angeles

THIS IS ONE OF A SERIES ISSUED IN 1916

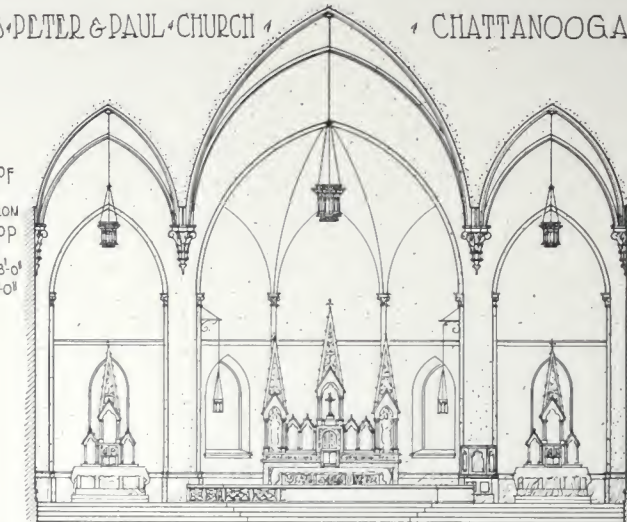
# ENGINEERED ILLUMINATION FOR CHURCH AUDITORIUM

ST. PETER & PAUL CHURCH

CHATTANOOGA, TENN

SUSPENSION OF LUMINAIRES MEASURED FROM CANOPY TO TOP OF LANTERN CENTER BAY 18'-0" SIDE BAYS 11'-0"

LANTERNS SUPPORTED BY WORM GEAR WINCH LOCATED ABOVE CEILING OF AUDITORIUM



CROSS SECTION OF MAIN AUDITORIUM

SCALE 1/4" = 1'-0"

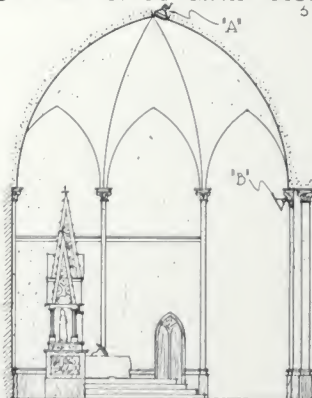


SILVERED REFLECTOR FOR INDIRECT LIGHTING

LAMPS FOR SOFTLY ILLUMINATING GLASS

SILVERED REFLECTOR FOR DIRECT LIGHTING

HINGED DOOR OF SANDED HEAT RESISTING GLASS



SECTION OF SANCTUARY

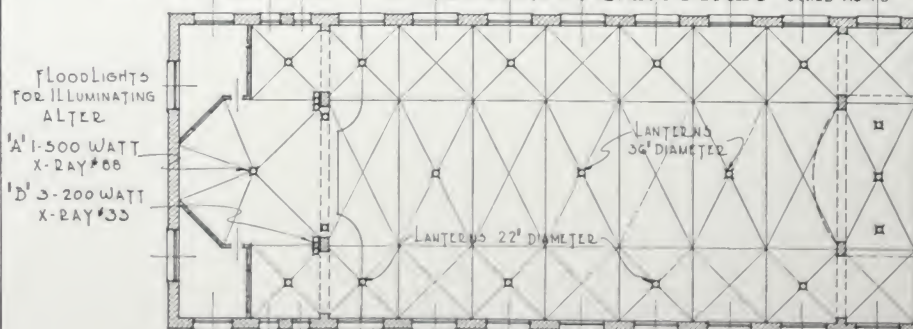
## GENERAL NOTES

CENTER BAY - 3 LANTERNS  
DIAMETER 36" HEIGHT 36"  
REFLECTOR EQUIPMENT  
INDIRECT LIGHTING 4-150 WATT  
DIRECT LIGHTING 1-1000 WATT  
SIDE BAYS - 8 LANTERNS  
DIAMETER 22" HEIGHT 22"  
REFLECTOR EQUIPMENT  
INDIRECT LIGHTING 3-150 WATT  
DIRECT LIGHTING 1-200 WATT

DETAIL OF LANTERN

SCALE 1/2" = 1'-0"

SCALE 1/4" = 1'-0"



PLAN OF AUDITORIUM SHOWING LOCATION OF LUMINAIRES

SCALE 1/32" = 1'-0"

AUDITORIUM AREA 8040 SQ. FT.

HEIGHT CENTER BAY 50 FT  
SIDE BAYS 41 FT

FLOODLIGHTS FOR ILLUMINATING ALTAR

A' 1-500 WATT X-RAY #88

D' 3-200 WATT X-RAY #33

LANTERNS 36" DIAMETER

LANTERNS 22" DIAMETER



# EYE • COMFORT • LIGHTING • IDEAL • FOR • CHURCH

## • DIRECT • INDIRECT • LUMINAIRES • IN • STS. PETER & PAUL • AUDITORIUM •



*The architectural beauty of this church is emphasized by the clear indirect light that brings out every detail.*

### *Combining Beauty with Scientific Design*

The treatment of the illumination of the Saints' Peter and Paul Church, from both an artistic and a practical standpoint, presents some rather unusual and worthwhile features.

A combination of direct and indirect lighting emanating from beautifully executed lanterns of Gothic design, makes this Chattanooga church one of the most effectively illuminated auditoriums in the country. Although a strong direct light from overhead makes the reading of prayer books and hymnals very easy, the

glare factor has been largely eliminated by concealing the powerful lamps in deep Beehive reflectors which hide the light-source from all eyes not gazing directly up into them.

The largest part of the light from these lanterns, however, is produced by another set of lamps and large X-Ray reflectors that throw a well diffused indirect light on the ceiling from which it is spread evenly over the entire room. Eye-strain has been practically eliminated by this unique method of lighting.

CURTIS LIGHTING is—lighting from concealed sources—indirect illumination—eye comfort—the elimination of glare. *It's all in the X-Ray Reflector!* You'll find it everywhere!

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Present your lighting problems to us—any kind, any place, any time.

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Baltimore, 506 Maryland Trust Bldg.....	T. H. Bailey, Jr.
Boston, 146 Summer St.....	Karl Anton Piez
Cincinnati, 515 Keith Bldg.....	J. W. Morrison
Cleveland, 750 Prospect Ave.....	H. L. Wright
Dallas, 805 Republic Bank Bldg.....	F. H. Simmer
Denver, 209 Ideal Bldg.....	R. D. Thomas
Detroit, 400 Penobscot Bldg.....	I. M. Kirlin
Kansas City, 310 Reliance Bldg.....	H. B. Wheeler
Memphis, 205 Builders' Exchange.....	H. O. Bourkard
Milwaukee, 506 Mayer Bldg.....	G. A. Hill
Minneapolis, 314 Third Avenue, South.....	Harry S. Davis
Philadelphia, 630 Witherspoon Bldg.....	J. R. Henry
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